Record Nr. UNISA996466258303316 Research in Computational Molecular Biology [[electronic resource]]: **Titolo** 13th Annual International Conference, RECOMB 2009, Tucson, Arizona, USA, May 18-21, 2009, Proceedings / / edited by Serafim Batzoglou Berlin, Heidelberg:,: Springer Berlin Heidelberg:,: Imprint: Springer, Pubbl/distr/stampa 2009 **ISBN** 3-642-02008-9 Edizione [1st ed. 2009.] Descrizione fisica 1 online resource (XVI, 534 p.) Lecture Notes in Bioinformatics; ; 5541 Collana 570 Disciplina Soggetti Life sciences Computer programming Artificial intelligence **Bioinformatics** Algorithms Database management Life Sciences, general **Programming Techniques** Artificial Intelligence Computational Biology/Bioinformatics Algorithm Analysis and Problem Complexity **Database Management** Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Bibliographic Level Mode of Issuance: Monograph Note generali Nota di contenuto Searching Protein 3-D Structures in Linear Time -- Optimization-Based Peptide Mass Fingerprinting for Protein Mixture Identification --Boosting Protein Threading Accuracy -- New Perspectives on Gene Family Evolution: Losses in Reconciliation and a Link with Supertrees --A Probabilistic Graphical Model for Ab Initio Folding -- Topology-Free Querying of Protein Interaction Networks -- Cross Species Expression Analysis of Innate Immune Response -- Haplotype Inference in Complex Pedigrees -- Storage and Retrieval of Individual Genomes --

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Sommario/riassunto

This book constitutes the refereed proceedings of the 13th Annual International Conference on Research in Computational Molecular Biology, RECOMB 2009, held in Tucson, Arisona, USA in May 2009. The 37 revised full papers presented were carefully reviewed and selected from 166 submissions. As the top conference in computational molecular biology, RECOMB addresses all current issues in algorithmic, theoretical, and experimental bioinformatics such as molecular sequence analysis, recognition of genes and regulatory elements, molecular evolution, protein structure, structural genomics, gene expression, gene networks, drug design, combinatorial libraries, computational proteomics, as well as structural and functional genomics.